



FLEXITALLIC LIMITED

SCANDINAVIA MILL HUNSWORTH LANE
CLECKHEATON WEST YORKSHIRE BD19 4LN
TEL: 01274 851273 FAX: 01274 300303

FLEXITALLIC Flange Rescue Gasket Ring Joint (FRG-RJ)

PRODUCT REFERENCE:

FLEXITALLIC Flange Rescue Gasket Ring Joint (FRG-RJ)

DESCRIPTION:

The Flexitallic Flange Rescue Gasket Ring Joint is a specially designed sealing product engineered to offer a high integrity seal in bolted connections with damaged flange faces, negating the requirement for costly and time consuming flange replacement or machining. The FRG-RJ is also an optimum choice gasket for life extension and improving joint integrity over the life span of a new installation.

CONSTRUCTION:

The Flexitallic FRG-RJ is comprised of a standard geometry ring joint ensuring the primary seal is effected as originally designed, there is also a integrated secondary seal comprised of a high integrity serrated metal Flexpro core faced with Flexitallic's highly conformable re-structured microcellular PTFE. This secondary seal is carefully dimensioned to fill any voids or crevices formed between the pipe-bore and the internal diameter of conventional gaskets on flange closure. The highly conformable nature and optimized thickness of the inner secondary seal ensures that it is capable of adapting to extensively damaged flange sealing surfaces. Full closure of this corrosion / erosion sensitive area prevents fluid ingress mitigating the potential for further flange damage. The use of this type of gasket is also an optimum choice for use on a new installation for prolonging the life

MATERIALS:

Primary Seal;

Metallurgy; To suit application
Fluoropolymer coated for corrosion resistance and identification.

Secondary Seal;

Sigma 606® (Ultra high compression biaxially structured PTFE formulated specifically to reduce corrosion rates).

SERVICE:

The Flexitallic Flange Rescue Gasket Ring Joint has been primarily, but not exclusively, developed for use in the offshore oil and gas industry, typically on hydrocarbon and critical line services. It is particularly suited for use on older assets where tight control of operating costs and asset efficiency are of prime concern. It can also be adapted for sub sea use by adding hydraulic pressure relief holes.

Maximum recommended temperature: 260°C (500°F)

Do NOT use gasket pastes

DESIGN PARAMETERS:

ASME Code factor 'Y'; 120 MPa (18,000 psi)-180Mpa(26,000psi)*
ASME Code factor 'm'; 5.5-6.5*

AVAILABILITY:

ASME and API standards RTJ, style R, RX, BX and subsea variants.**

*Dependent upon gasket metallurgy

**Gaskets to suit other flange standards or bespoke applications may be available on request.

PDS 530 06/2011

This Data Sheet refers to the material as supplied. The information contained herein is given in good faith, but no liability will be accepted by the Company in relation to same. We reserve the right to change the details given on this Data Sheet as additional information is acquired. Customers requiring the latest version of this Data Sheet should contact our Applications Engineering Department. The information given and, in particular, any parameters, should be used for guidance purposes only. The Company does not give any warranty that the product will be suitable for the use intended by the customer.